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L6 AND lactate and sulfate	11

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US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
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 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L7

Search History

 DATE: Saturday, April 29, 2006 [Printable Copy](#) [Create Case](#)

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
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<u>L5</u> CATION\$ EXCHANGER AND LACTIC ACID	507	<u>L5</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L4</u> 3202705.pn.	1	<u>L4</u>
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>		
<u>L3</u> ('1906068' '2712516' '4275234' '4291007' '4334095' '4771001' '5426219' '5510526' '5641406' '5766439' '5773653' '5780276' '5814498')![pn]	13	<u>L3</u>
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<u>L2</u> L1 and lactate salt	9	<u>L2</u>
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☐ 1. Document ID: US 20030004375 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 11

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004375 A1

TITLE: Process for producing a purified lactic acid solution

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mizrahi, Joseph	Haifa	MN	IL
Eyal, Aharon	Jerusalem		IL
Riki, Canari	Jerusalem		IL
Hazan, Betty	Jerusalem		IL
Starr, John N.	Chaska		US

US-CL-CURRENT: 562/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 7026145 B2

L7: Entry 2 of 11

File: USPT

Apr 11, 2006

US-PAT-NO: 7026145

DOCUMENT-IDENTIFIER: US 7026145 B2

TITLE: Process for producing a purified lactic acid solution

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20030004375 A1	January 2, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6641734 B2

L7: Entry 3 of 11

File: USPT

Nov 4, 2003

US-PAT-NO: 6641734

DOCUMENT-IDENTIFIER: US 6641734 B2

**** See image for Certificate of Correction ****

TITLE: Process for purifying an organic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 6509179 B1

L7: Entry 4 of 11

File: USPT

Jan 21, 2003

US-PAT-NO: 6509179

DOCUMENT-IDENTIFIER: US 6509179 B1

TITLE: Continuous process for preparing lactic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 6160173 A

L7: Entry 5 of 11

File: USPT

Dec 12, 2000

US-PAT-NO: 6160173

DOCUMENT-IDENTIFIER: US 6160173 A

TITLE: Process for the recovery of lactic acid esters and amides from aqueous solutions of lactic acid and/or salts thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 6022992 A

L7: Entry 6 of 11

File: USPT

Feb 8, 2000

US-PAT-NO: 6022992

DOCUMENT-IDENTIFIER: US 6022992 A

TITLE: Acid-salt metathetic process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US 5859262 A

L7: Entry 7 of 11

File: USPT

Jan 12, 1999

US-PAT-NO: 5859262

DOCUMENT-IDENTIFIER: US 5859262 A

TITLE: Process for the production of erythorbic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 8. Document ID: US 5641406 A

L7: Entry 8 of 11

File: USPT

Jun 24, 1997

US-PAT-NO: 5641406

DOCUMENT-IDENTIFIER: US 5641406 A

TITLE: Lactic acid extraction and purification process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 9. Document ID: US 5168055 A

L7: Entry 9 of 11

File: USPT

Dec 1, 1992

US-PAT-NO: 5168055

DOCUMENT-IDENTIFIER: US 5168055 A

TITLE: Fermentation and purification process for succinic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 10. Document ID: US 5143834 A

L7: Entry 10 of 11

File: USPT

Sep 1, 1992

US-PAT-NO: 5143834

DOCUMENT-IDENTIFIER: US 5143834 A

TITLE: Process for the production and purification of succinic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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Terms

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L6 AND lactate and sulfate

11

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☐ 11. Document ID: US 4219508 A

Using default format because multiple data bases are involved.

L7: Entry 11 of 11

File: USPT

Aug 26, 1980

US-PAT-NO: 4219508

DOCUMENT-IDENTIFIER: US 4219508 A

TITLE: Process for the preparation of low molecular weight polyhydroxyl compounds

DATE-ISSUED: August 26, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wagner; Kuno	Leverkusen			DE

US-CL-CURRENT: 568/387; 252/364, 252/73, 435/243, 435/247, 516/DIG.1, 516/DIG.2,
521/107, 521/116, 521/158, 521/164, 521/168, 528/85, 549/417, 549/450, 549/453,
549/488, 554/223, 560/198, 560/263, 562/553, 562/561, 564/473 , 568/388, 568/463,
568/496, 568/679, 568/723, 568/833, 568/852, 568/863

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence2	Attachments	Claims	KWIC	Draw. De
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